

Figure 1

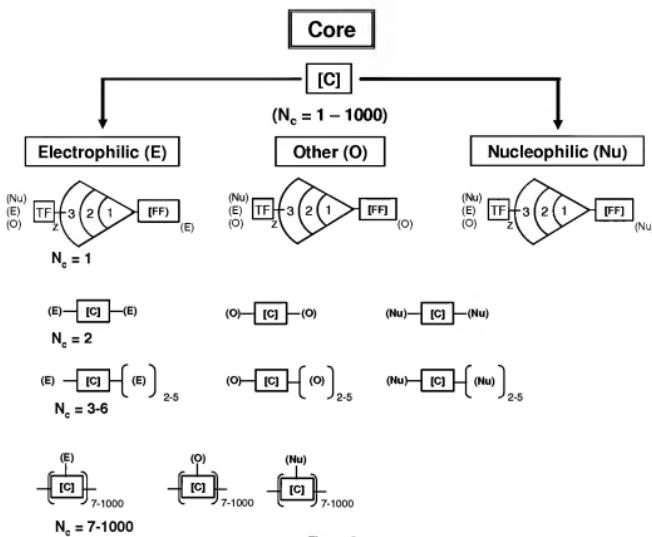


Figure 2

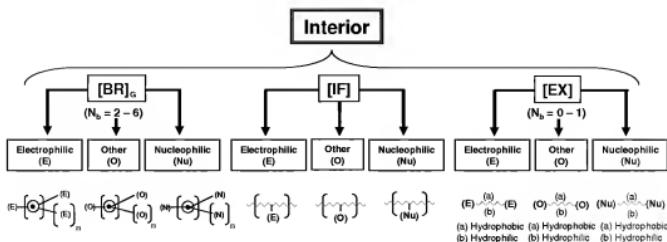
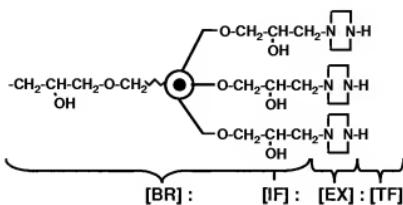
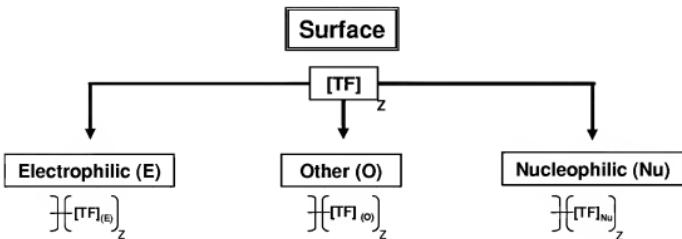


Figure 3

Branch Cell Structure Resulting from a Tetra Glycidyl Ether

Where: $N_b = 3$

Figure 4



Where: $z = N_c N_b^G$

Figure 5

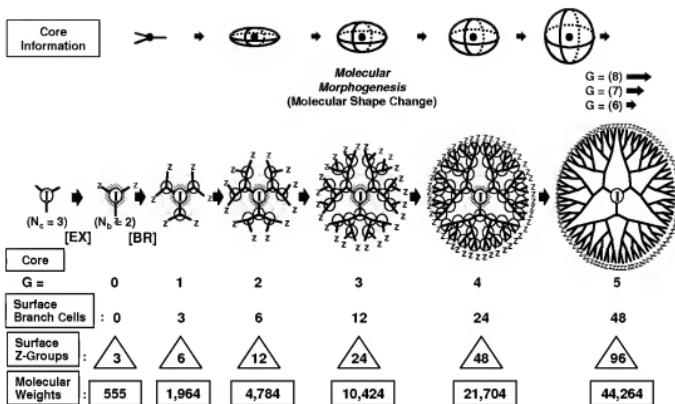


Figure 6

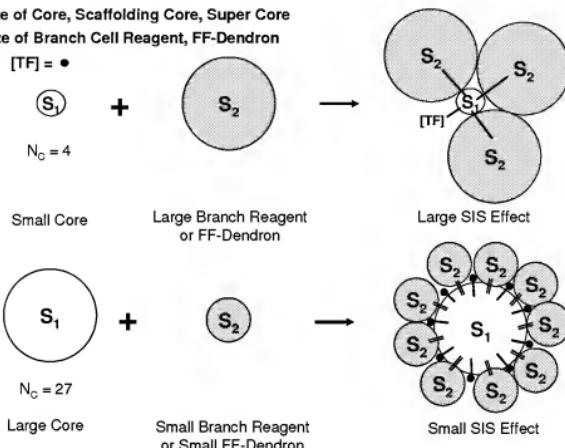
Nanoscale Sterically Induced Stoichiometry (NSIS) Effects S_1 = Size of Core, Scaffolding Core, Super Core S_2 = Size of Branch Cell Reagent, FF-DendronWhere: $[TF] = \bullet$ 

Figure 7

NSIS Induced Formation of Nascent Functionality/Reactivity

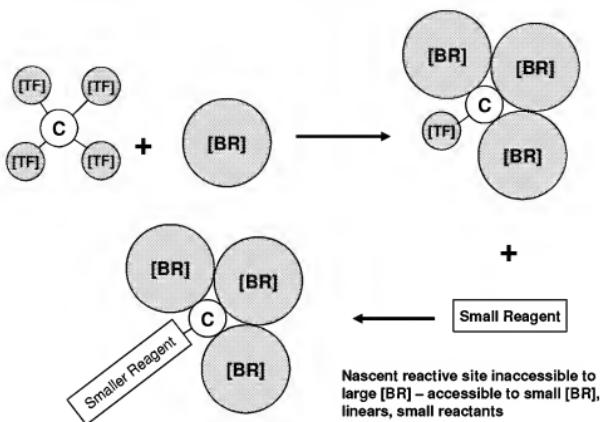


Figure 8

Combinatorial Reactivities of Nucleophilic (Nu), Electrophilic (E), Other (O) (Free Radical) Features of the Core [C], Branch Cell Reagent [BR], Extender [EX], Focal Point Functional Dendron (FF-D) and Terminal Functionality [TF]

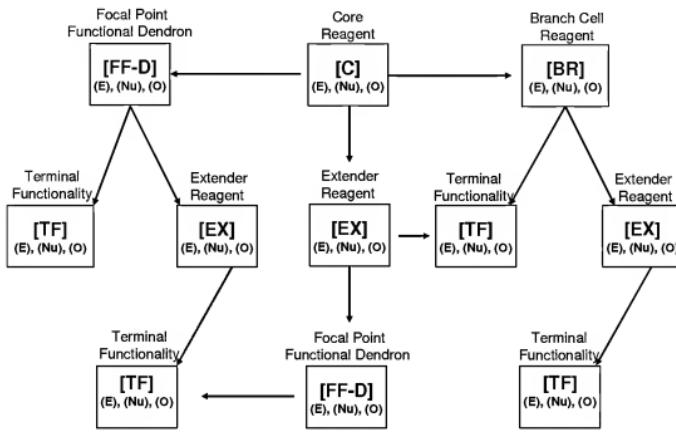


Figure 9

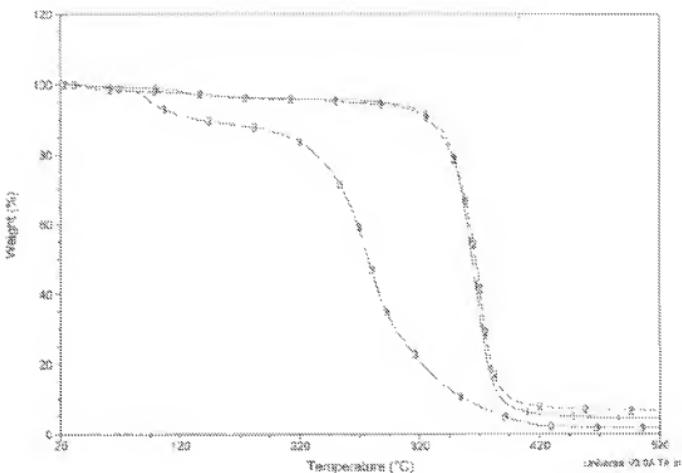


Figure 10

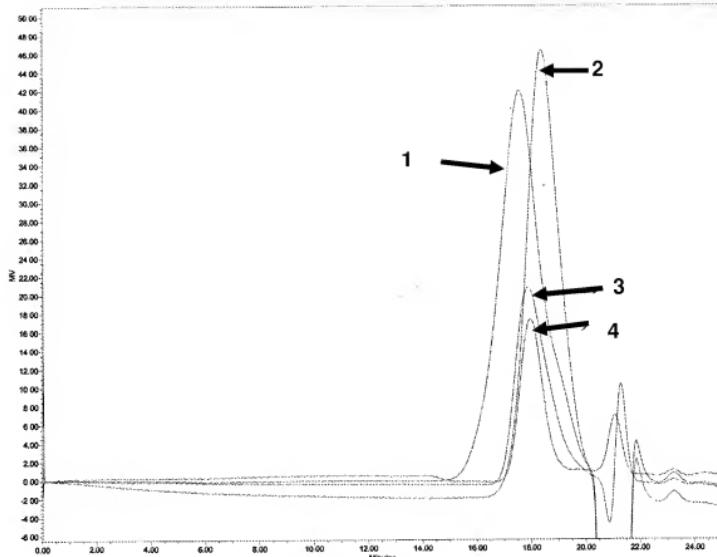


Figure 11